



**CHAPCO**  
**60 YEARS**  
MANUFACTURING  
**PARTNERSHIPS**  
NOT JUST PARTS

# CHAPCO

 HIGH PERFORMANCE CONTRACT MANUFACTURING SOLUTIONS

## Quick Reference

For 60 years, Chapco has been manufacturing partnerships, not just parts. Our commitment to core values, and our culture of excellence, permeates throughout our organization. Partner with us and you will see it in the way we do business and in the quality and value of the goods and services we deliver.

Chapco Inc. maintains a Quality Management System to promote continuous improvement in all areas of its business operations. We are committed to exceed our customers' expectations by manufacturing high quality and competitively priced products delivered on time. Chapco Inc. is dedicated to establishing, developing, and maintaining partnerships with our employees, vendors, and customers, guided by integrity, honesty, and respect.



AMTIVO

**ISO 9001:2015  
Certified**

Quality Management

# Chapco Quick Reference Guide

CODES	FACILITIES	ESTIMATING, LEAD TIMES, & LOGISTICS
NAICS 332322	70,000 ft <sup>2</sup> 3-site facilities	SOLIDWORKS preferred - accepted file formats are: PDF, DWG, DXS and STP
SIC 3444		Pick up & delivery
CAGE 85006		Tooling & fixturing
DUNS 122208978		High volume & rapid scaling with 24/7 automation

CNC AUTOMATED WORK CENTERS	MACHINING	CNC PRESS BRAKES	POWER PRESSES	WELDING	GRINDING & CUTTING
Trumpft 3030 TruLaser Fiber	Conventional lathes & mills	7 Press brakes ≥ 175 ton ≥ 12' long Max	30 Tons	MIG – all metals	Plasma cutting
Trumpf 6000 Fiber Laser/Punch	CNC turning & Milling		60 Tons	TIG – all metals	Band & cold saws
Trumpf 7000 TruBend Cell	Multi-head tapping			Spot – all metals inc. aluminum	Surface grinding

MATERIAL	SPECIFICATION	MINIMUM THICKNESS	MAXIMUM THICKNESS	MAXIMUM SHEET SIZE	MINIMUM Thickness
Aluminum	All types	0.005"	.500"	60" x 120"	0.002"
Steel	Hot and cold rolled	0.002"	.625"		
Stainless Steel	All types in all finishes	0.002"	.500"		
Pre-plated	Galvanized and galvanized steel	26 gauge	8 gauge		
Brass	All types/All alloys	0.002"	0.188"		
Copper	101-110, 120	0.002"	0.188"		

SURFACE FINISH	HARDWARE INSERTION	COATING & PLATING	PART IDENTIFICATION	ASSEMBLY
Standard mill	PEM standard fasteners	Powder coat/E coat*	Silk screening*	Hardware
Orbital sanded		Hot dipped galvanized*	Laser etching	Mechanical*
Stainless steel polished	Custom hardware available	Black Oxide*	Metal stamping	Electrical*
Cosmetic grinding		Anodize (clear/all colors)*	Ink Stamping	Electro-mechanical*
Vibratory tumble	PEMs with auto-feed capabilities	Chromate conversion (clear/yellow)*	Dot Peen*	Hydraulic*
Deburring		Passivation (clear)*	Vibratory Etch	Pneumatic*
Time save	POP, Spin, Rivets & Riv-Nuts	Zinc and Nickel coating*		Electro-magnetic*
		Tin and silver plating*		

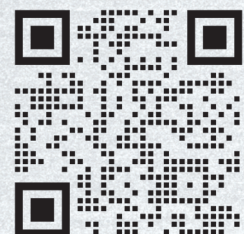
## Welding



American Welding Society  
CONNECTICUT SECTION

We perform MIG, TIG, and resistance welding. We will advise which is best for your project or whether alternatives, such as forming, may be a better option.

Scan the code for a current list of our weld certifications.



PART GEOMETRY	
Complex features	Knock-outs, extrusions, integrated hinges, formed flanges, 2.5" louvers, half sheers, beading, tapping, CSK, C-Bore, engraving, and roll forming.
Maxed formed features	Custom radius tooling available up to 3"
Internal form radii	0.015", 0.030", 0.060", 0.090", 0.120", 0.188", 0.250", 0.375", 0.500", 1.00"
Hems	Depends on material thickness – standard up to a maximum length of 10'
Punched features standard	Max. height = 2x material thickness. Custom tooling where applicable
Rolled features	Max. material thickness 16 gauge Maximum blank width 45" Minimum radius ≥ 3.5"
Broken edges	Deburring/vibratory tumble

	TOLERANCE	TOLERANCE
	<11ga	>11ga
Offsets	(+/-) 0.5°	0.5°
Hole Diameter	(+/-) 0.0023"	+ 0.01"
Edge/Edge and Hole/Hole (Hardware to edge/hole and hardware to hardware)	(+/-) 0.003"	.005"
Bend/Edge	(+/-) 0.003"	.010"
Bend/Hole, Hardware/Bend	(+/-) 0.010"	.010"
Features separated by 2 bends	(+/-) 0.020"	.030"

PDFM & QUALITY DOCS	OTHER TURNKEY SERVICES
For production: CAD preferred - accepted file formats are: PDF, DWG, DXS, STP, and SOLIDWORKS	Engineering concepts* DFMA & Prototyping*
Quality Documents: C of C; First article inspection (FAI); Material certifications	Certification facilitation & coordination UL, ETL, NSF, NAMA*
Laser QC scan	Vast partner & vendor database
Coordinate Measuring (CMM)	PLC Programming & Integrations
	Packaging, Inventory, Logistics*

## What Differentiates Us

- Established in 1964, family owned since 1967
- We invest in the best technology and run it 24/7
- Solution focused
- 70,000 ft<sup>2</sup>, 3-site manufacturing facilities
- 80+ staff, 2 shifts and lights-out capabilities
- Turn-key manufacturing operation
- Seasoned management team with experience across a wide variety of industries
- Multi-vendor relationships to control cost and limit supply chain disruptions
- Product analysis for optimized manufacturing
- Ability to scale rapidly to your needs with multiple automated work centers.
- Aluminum welding

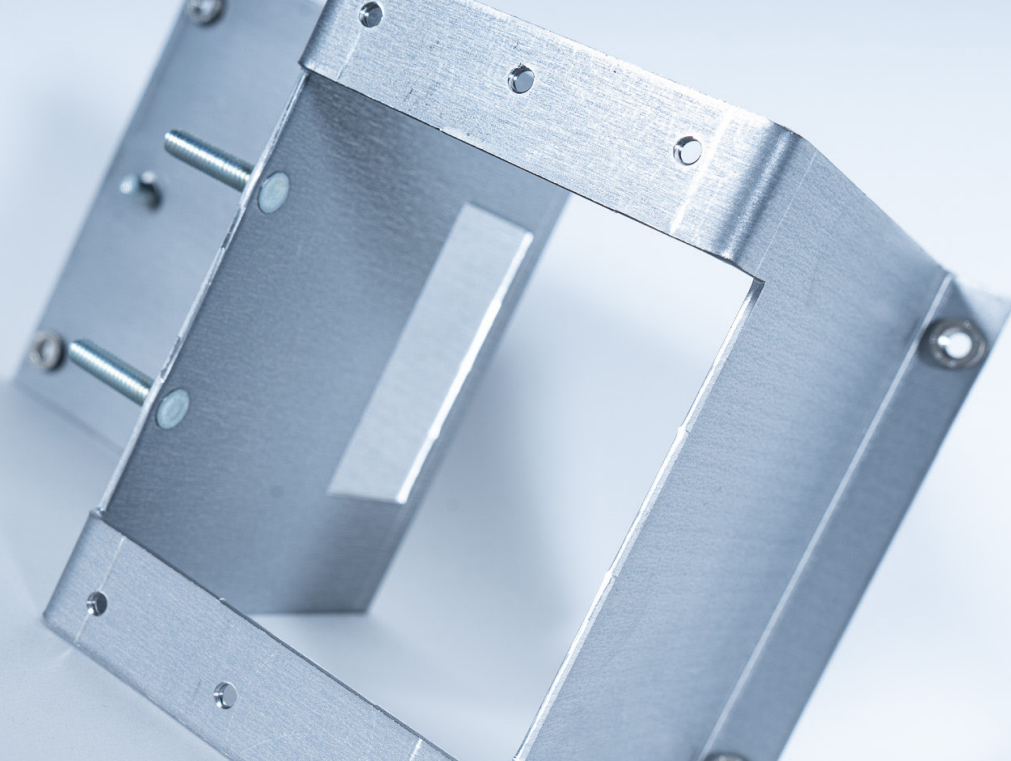
## Precision Metal Fabrication

- Laser cutting/ punching
- Bending
- Hardware insertion/pemming
- CNC and conventional milling, turning, and tapping
- Spot welding, grinding, grinding
- Finishing

## Turnkey Services\*

Through our co-located collaborative companies and other long standing relationships, we offer these additional services to provide a turnkey solution to your manufacturing and contract assembly needs.

- Contract Manufacturing & Assembly
- Solidworks Modeling and Prototyping
- Reverse Engineering Capabilities
- Value Add Engineering
- Testing and Quality Control



# Snapshot

**Founded:** 1964  
**CEO:** Brian Weinstein  
**Sq Ft:** 72,000  
**CAGE:** 85006  
**DUNS:** 122208978  
**NAICS:** 332322 - Sheet Metal Work Manufacturing  
**SIC:** 3444 - Sheet Metal Work

 Connecticut Exporter of the Year  
 New England Small Business Manufacturer of the Year  
 Middlesex Chamber of Commerce - Manufacturer of the Year

 Manufacturing Innovation Fund  
 Advancing Manufacturing Faster

 American Welding Society CONNECTICUT SECTION  
 NAVAL & MARITIME CONSORTIUM  


 EASTERN ADVANCED MANUFACTURING ALLIANCE  
**MANUFACTURE**

# Industries Served



Original Equipment Manufacturers



Commercial & Industrial Electrics and Electronics



Aerospace, Military, and Defense



Automotive & Transportation



Medical & Pharmaceutical



Food & Beverage Processing



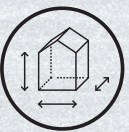
HVAC



Marine



Sports



Architectural



Industrial & Architectural Lighting



Construction

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